

Serial No. 10/721,179
Amdt. Dated November 16, 2004
Reply to Office Action of August 18, 2004

Docket No. K-0586

Amendments to the Specification:

Please replace paragraphs [0027 – 0028] with the following amended paragraphs:

[0027] The case 2 forms an exterior of the dryer. [[Te]] The drum 12 is rotatably provided inside the case 2. An object to be dried is held in the drum 12, and a plurality of lifters 11 protrude from an inner circumference of the drum 12 to lift up the object to fall.

[0028] The heater assembly 18 is provided outside the drum 12. Dry hot air having passed through the heater assembly 18 is supplied to the drum 12 via the inlet duct 20. Air circulates throughout the drum 12 to absorb dampness of the objects and is then ~~discharges~~ discharged outside via the outlet duct 21.

Please replace paragraph [0032] with the following amended paragraph:

[0032] A multitude of intake holes 5a are formed at the back panel [[5a]] 5 that is provided [[to]] at a rear side of the cabinet 3. The top cover 6 is provided over the cabinet 3. A control panel 7 having an operation display unit 7a, an operation control unit 7b, and a control unit 7c is provided on a rear part of an upper surface of the top cover 6. And, the base 8 is provided under the cabinet 3 to support a bottom of the dryer.

Please replace paragraph [0038] with the following amended paragraph:

[0038] The heater case 53 has a hollow box ~~figure~~ form, and its inner space ~~is provided as forms an air passage of air~~. An air inlet 51 and an air outlet 52 are formed at front and rear ends of the heater case 53, respectively.

Please replace paragraph [0041] with the following amended paragraph:

[0041] The first coil array 60 is zigzagged between the upper and lower passages [[53]] 53a and 53b partitioned by the plate 56. A plurality of first heating coils 61 to 66 are provided to top and bottom points of the first coil array 60. In this case, the respective coils 61 to 66 play a role of resistors to radiate heat. Moreover, the first coil array 60 is connected to one power source overall.

Please replace paragraphs [0042 - 0047] with the following amended paragraphs:

[0042] And, the second coil array 70 is zigzagged between the upper and lower passages [[53]] 53a and 53b partitioned by the plate 56. A plurality of second heating coils 71 to 76 are provided to top and bottom points of the second coil array 70.

[0043] In this case, the second ~~heating coils~~ heating coils 71 to 76 are arranged to leave a predetermined distance from the first heating coils 61 to 66, respectively, and are connected to

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one power source overall to radiate heat. Namely, the first coil array 60 is electrically independent from the second coil array 70.

[0044] Moreover, the first heating coils 61-66 provided to the first coil array 60 ~~and the second heating coils provided to the second coil array 70~~ are positioned so as to leave a predetermined distance along an air-flowing direction from ~~each other, respectively~~ corresponding second heating coils 71-76 provided to the second coil array 70. Preferably, a ~~plurality of the plurality of~~ first heating coils 61 to 66 and ~~a the plurality of the~~ second heating coils 71 to 76 are zigzagged so as to cross each other and be symmetrical between the upper and lower sides of the plate 56.

[0045] In this case, the air inlet 51 of the heater case is fixed to a top of a heater mount 54 installed vertically on the base 8, and the air outlet 53 is fixed to a lower end of the inlet duct 20 so as to communicate with the inlet duct 20. Moreover, the heater case 53 is fixed to leave a predetermined interval from the upper surface of the base 8.

[0046] The ~~to top~~ and bottom points ~~provided to~~ of the heating coils 61-66 and 71-76 in each of the first and second coil arrays 60 and 70, respectively, are disposed on centerlines of the upper and lower passages 53a and 53b, respectively. Namely, the heating coils lie on the centerlines of the corresponding passage, thereby enabling ~~to perform an optimal~~ heat-exchange with the flowing air ~~optimally~~.

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[0047] The first and second coil arrays 60 and 70 are individually controlled by the control unit 7c of the dryer. In case of fast drying or a large amount of the object to be dried, power is applied to both of the first and second coil arrays 60 and 70.

Please replace paragraph [0050] with the following amended paragraph:

[0050] First of all, the object to be dried is put in the drum ~~[[21]]~~ 12, and the operation control unit 7b is operated to drive the dryer. In doing so, the control unit 7c supplies power to the heater assembly 18 and the motor 32.

Please replace paragraph [0057] with the following amended paragraph:

Specifically, the first heating coils ~~61 to 66~~ 61, 63, and 65, and the second heating coils 72, 74, and 76 provided over the plate 56 dry/heat the air passing through the upper passage 53a, while the first heating coils 62, 64, and 66, and the second heating coils 71 to 76 71, 73, and 75 positioned under the plate 56 dry/heat the air passing through the lower passage 53b.